molift®

PARTNER

CE

- a patient lifter from

molift®
designed for life

OPERATOR MANUAL

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IMPORTANT!

The patient lifter is only meant to be used by qualified personnel.

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General advice

This user manual contains important safety instructions and information regarding the use of the lifter. Carefully read the manual before using the lifter in order to be familiar in the function and use of the lifter.

Explanation of symbols

This symbol is used to point out instructions and information related to work place safety where injury may occur if the information is disregarded or ignored. Follow these instructions, be careful and attentive at all times.

This symbol indicates important information regarding the use of the equipment. If not taken into consideration, it may lead to damage or functional defects to the lifter or other equipment.

This symbol indicates important and useful information. If taken into consideration, it will help the operator of the lifter to work efficiently. It may help to simplify routines and to explain complicated facts.

Before using the patient lifter

Before using a patient lifter, the operator must be trained accordingly. Practice lifting a colleague, and be lifted by others. It is important not only to know how to move another person using the lifter, but also how it is to be lifted. Try out and practice using all the relevant slings for the different types of lifter and movement you may encounter. Before lifting a person, you should explain the procedure.

When using the lifter, it's also important to use the correct sling and accessories according to:

- type of disability
- size
- weight
- type of movement

Responsibility

Please read these operating instructions carefully before putting the product into operation. We assume no liability for damage or malfunctions resulting from failure to comply with the instructions. Warranty claims must be made immediately on detecting the defect. Remember to quote the serial number. Consumable parts are not subject to the warranty.

All technical information, data and instructions for operation contained in these operating instructions were up-to-date at time of print and are compiled on the basis of our experience and to the best of our knowledge. We reserve the right to incorporate technical modifications within the scope of further development of the product described in this manual. No claims can be derived from the information, illustrations or descriptions contained in these instructions. We assume no liability for any damage or malfunction caused by operating errors, non-compliance with these operating instructions or inappropriate maintenance. We expressly point out that only genuine Molift AS spare parts and accessories approved by us may be used. For safety reasons, the fitting and use of spare parts or accessories, which have not been approved, and unauthorised modification or conversion of the product, are not permitted. Molift AS will accept no liability for damages resulting from such acts.

With the exclusion of product liability, Molift AS is liable for faults or omissions on its part within the scope of the warranty obligations stated in the purchase contract. Claims for damages are excluded, irrespective of the legal reason from which such claims are derived. Only documentation belonging to the actual equipment is valid.

Any failure to comply with the safety regulations and precautionary measures stated in these operating instructions renders the declaration of conformity supplied with the system in accordance with Council Directive (93/42/EEC) concerning medical devices invalid.

Safety precautions

General

Before putting a Molift PARTNER into operation, the operator must ensure that the lifter and accessories are in good working order, especially with regards to safety. All instruction and information in this manual regarding safety and general precautions must be read, understood and followed carefully. Any disregard to these precautions may result in personal injury or damage to the equipment. The lifter must be taken out of service immediately, or not returned to service, if faults and/or irregularities that may have influence on the safety are discovered.

Safety devices and -equipment must not be removed, disabled or in any other way altered. A Molift PARTNER shall only be used when all safety devices and equipment is in place and fully operational.

The lifter is designed for use in room temperature, +10 to +40 °C. This should be taken into consideration when transporting the lifter, and therefore keeping it in a temperate part of the vehicle. Alternatively, the lifter must rest in a temperate room until the equipment has achieved proper working temperature.

If defects or faults occur

The lifter must be switched off immediately if one of the following conditions occur;

- damage to electrical devices or cables, or damage to parts of electrical insulation
- damage or failure on safety devices

If the lifting movement does not start when the corresponding button is pressed, please consult the fault finding table in the maintenance chapter to locate the fault.

Injury to personnel or equipment may occur if Molift PARTNER is used in an incorrect manner and if:

- covers are removed by unauthorised personnel
- used incorrectly
- insufficient maintenance
- load exceeds maximum limit. The Safe Working Load (SWL) stated in this manual and on the lifter is the maximum load
- unauthorised repair of electrical devices or cables

Lift and transfer

The patient lifter may tip over if used incorrectly! Ignorance of warnings and instructions may lead to personal injury. Read instructions carefully before attempting to lift anyone.

Several factors have to be considered during movement of the lifter:

- the user shall sit as low as possible facing the lifting column
- the user should rest their feet on the chassis

Stand to the side of the user when lifting. Ensure that arms and legs are clear of the lift, chair, bed etc. Try to maintain eye contact with the user - this will help the user feel safe and comfortable.

Pay close attention to your actions. Ensure that all four loops of the sling are securely fastened to avoid the user slipping or falling. Do not fasten the sling using the head support tightening strap.

Molift slings shall ONLY be used to lift persons. NEVER use the sling to lift and/or move objects of any kind.

About the product

Molift PARTNER 3 is a mobile lifter intended for lifting and transferring personnel. The lifter is made out of light materials, it has castors, adjustable legs and a battery. It is therefore ideal for use in institutional care.

Main parts

The lifter is built around a chassis unit comprising a lifting column fixing unit, rear castors and spreading mechanism for legs. There is also a connection for the hand control and an emergency stop button.

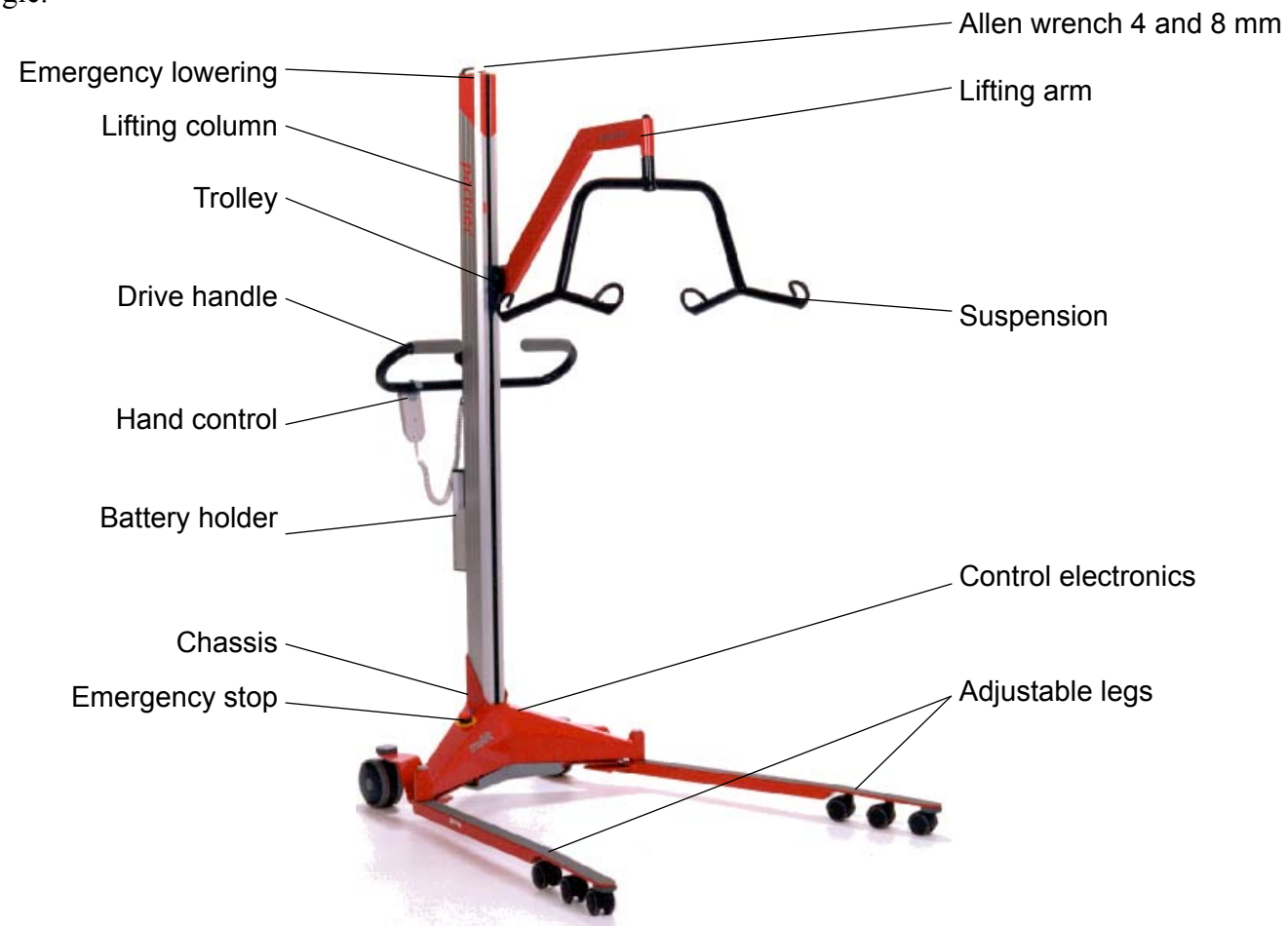
On the lifting column there is a drive handle and a battery holder. The adjustable legs are operated by an electrical motor and gives the operator a possibility to adjust the width of the lifter to different needs and situations.

On the lifting column there is a trolley on which the lifting arm is attached. The suspension is attached to the lifting arm, and the suspension rotates freely, allowing the Molift PARTNER to be used at any angle.

Safety devices

Molift PARTNER 3 is equipped with several safety devices, which are intended to prevent damage to personnel and equipment in the case of incorrect use.

- The lifter has an overload sensor preventing the lifter to be operated with more than Safe Working Load. If the load exceeds the maximum limit, the lifter will stop the movement.
- The lifting arm is hinged to prevent the arm and suspension from squeezing the patient if it is lowered too much. The lifting arm will not produce any force when moving downwards.
- The suspension has safety hooks to prevent the sling loops to fall off.
- When activating the emergency stop button, the power supply will be disconnected, and the lifter will stop.
- If an error occurs on the lifter, it is possible to lower the lifting arm manually by operating the emergency lowering switch.

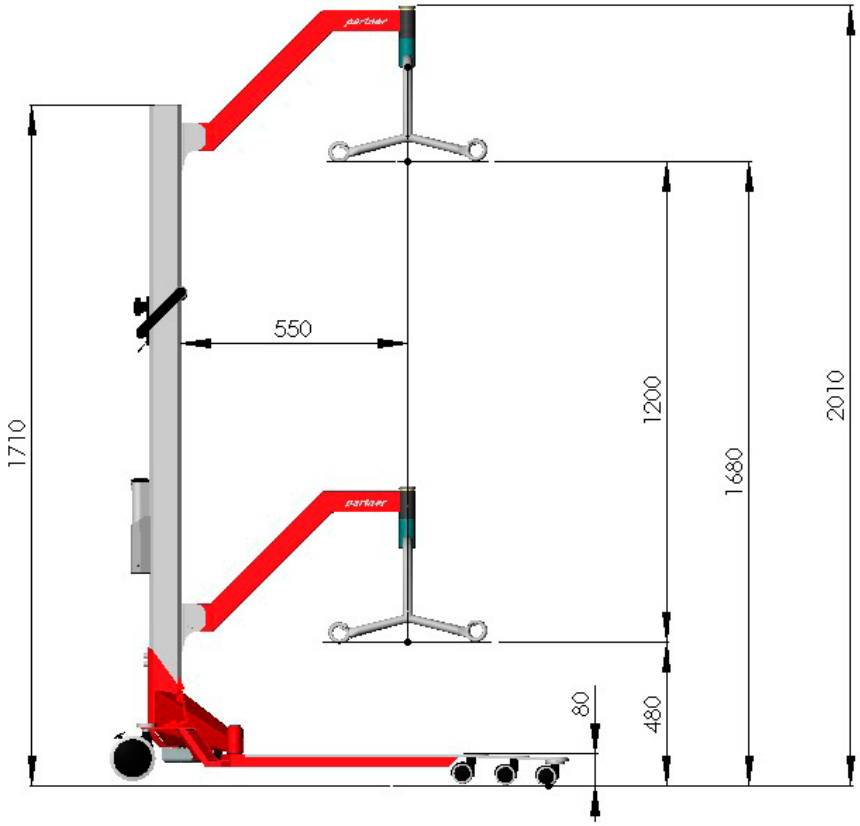


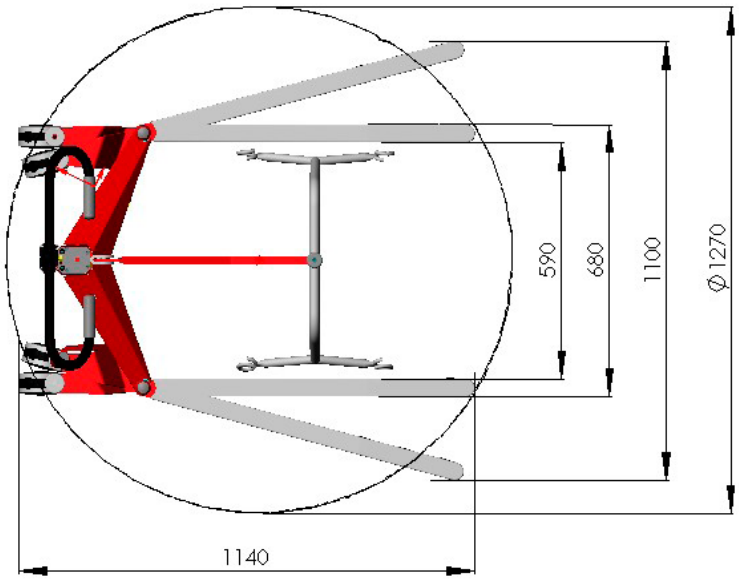
Technical data

Weight, totally:
excl. battery; 30 kg / incl. battery: 30,8 kg
Material:
Steel and aluminium
Motor:
12 V DC
Battery:
14,4 V NiCd 1,9 Ah or 14,4 V NiMH 2,2 Ah, Molift PowerPac

Safe Working Load (SWL):
160 kg
Lifting height:
1200 mm
Height of legs:
Max 80 mm
Measurements:
1140 x 680 x 1710 mm (LxBxH)

Measurements in illustrations below are in millimetres.





Assembly / disassembly

To be able to operate the Molift PARTNER, the operator must have good knowledge of the lift, including assembly, disassembly and preparation before use.

Assembly and use of charger

The battery charger shall be mounted on a vertical wall surface close to a power outlet. The charger shall be connected to the power outlet at all times.

Molift AS tests and charges all batteries before packing and shipment. However, all batteries must be charged before use.

Unpacking

- The lifter comes in two cardboard boxes. Verify that the boxes have no apparent damages. If damaged, - check the content and contact your dealer for assistance if components are damaged.
- One of the boxes contains chassis, suspension, drive handle, hand control, battery and battery charger. The other box contains the lifting column including 2 Allen wrenches placed on the top of the column.

Assembly

- Check that the two screws on the back of the chassis are loosened enough to allow the bracket to have a clearance to the chassis on 4 mm. Guide the steel rail, on which the screws are attached, into the T-groove on the column when mounting the column on the chassis.

The battery must not be in the battery holder during assembly!

- Place the column in the attachment on the chassis, and the column will find the correct position. If the column does not place itself correctly, rotate the drive and try again until the column has found the correct position. Make sure that the red arrow on the lower part of the column corresponds with the edge on the chassis.
- Tighten the screws with the allen wrench found on the top of the column.
- Mount the drive handle on the lifting column by guiding the steel-rail on the drive handle into the T-groove on the top of the lifting column. Point the open part of the drive handle up.
- Guide the cables from the hand control through the ring on the drive handle, mount the chord anchorage and connect the contact on chassis. The hand control has a hook that makes it possible to hang it on the drive handle.
- Mount the lifting arm with suspension in the trolley on the lifting column. The lifting arm is mounted when the hook is placed around the two bolts in the trolley.

Be careful not to put fingers or similar under the lifting arm between arm and trolley. Danger of personal injury.

- Place the battery holder with the connectors facing down. Run each function of the lifter a couple of times without load to verify proper function.

Molift AS tests <u>all</u> lifters with and without load before shipment. The control is an extra precaution to uncover any shipment damage and/or incorrect assembly.

Checklist before use

- Check that the lifter has no apparent damage or other faults
- Check that you have sufficiently charged batteries to complete the task you have planned
- Ensure that the lifting arm and lifting column are properly fixed.

Disassembly

- Remove the battery.
- Remove the lifting arm.
- Loosen the hexagon screw on the chassis, and then lift off the lifting column.
- Loosen the drive handle if necessary.

Operation

Battery care

Molift PowerPac system is a battery with a 14,4 V cell unit that is placed in the battery holder on the lift. A charger is also supplied to charge the battery whenever needed. This battery system is the same on all of Molift's mobile lifts. The power cable of the charger should be connected to the power outlet at all times (verify that the charger is suitable for the local power system voltage). Place the battery in the holder according to the arrow markings. Press the battery gently down to ensure good contact between battery and charger.

Battery capacity

A LED (Light Emitting Diode) is situated on the chassis of the lifter. If the voltage of the battery falls below a certain level, the diode will change to orange, indicating the need for charging. There is still enough capacity to perform 3-5 lift cycles (75 kg) at this point. If the battery is discharged during a working session, it's recommended to have two batteries, so a second charged battery is available when needed.

If the battery is discharged during a lift, it is always enough power to lower the user down again.

Battery types and chargers

Molift PowerPac can be used with two kinds of batteries; NiCd and NiMH.

The battery and charger types must not be mixed. Use of wrong charger to battery type may cause overheating and damage to the PowerPac

Be aware that these two batteries have different chargers. Follow the instructions printed on the battery.

It's not possible to overcharge the batteries, but to ensure optimal performance throughout the lifetime of the battery, we recommend that the battery is allowed to rest for a couple of minutes after charging to cool down before use. It is also important that fully charged batteries are not charged without being used.

The chargers have different ways of showing the status of the charging process.

- ***NiCd-charger***

The charger has a LED indicating the status of the battery as described below:

LED	Mode	Output
Yellow	No battery	25 V
Yellow	Initalization (10 sec)	100 mA
Orange	Fast charge	1,8 A
Green/yellow	Top-off charge	270 mA
Green	Trickle charge	100 mA
Orange/green	Error	100 mA

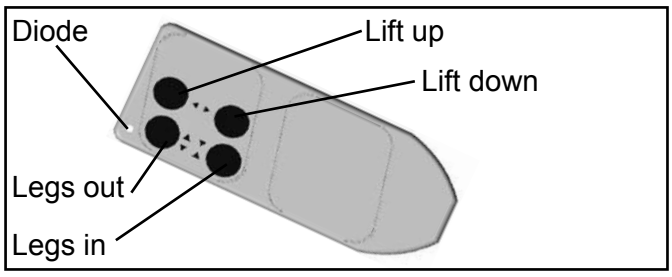
It is recommended that NiCd batteries are placed in the charger when not in use. Regularly (each 10 times) the battery should be used until the charging indicator on the lifter glows, before charging the battery.

- ***NiMH-charger***

The charger has two diodes - a green and a red. The red diode will glow as soon as the battery is placed in the charging unit and maximum charging current is applied. The green diode will start to glow when the battery is fully charged and the charger switches to maintenance charging. If the charger can't detect fully charged battery after about 8 hours, a built in timer will force the charger to maintenance mode to avoid overcharging.

Operating the hand control

The hand control to PARTNER 3 has four buttons, two buttons for up and down, and two buttons for adjusting the adjustable legs. In addition there is a green diode which illuminates when the buttons are activated.



Emergency stop and lowering

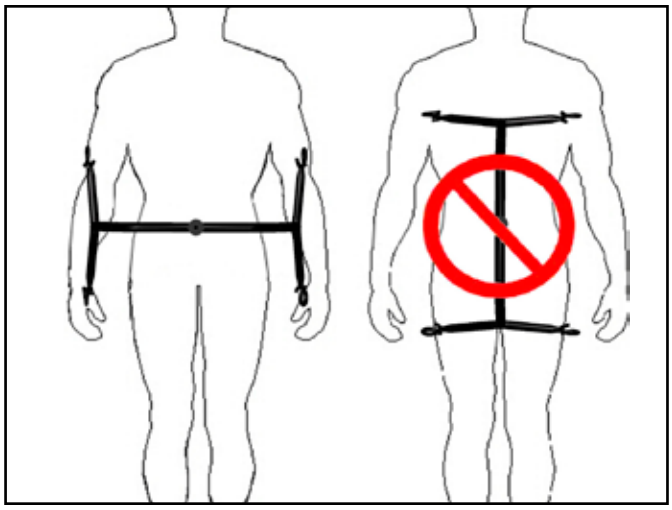
All of the Molift patient lifts are equipped with emergency stop and lowering. The emergency stop will cut the power to the motor, and is situated on the right side of the chassis. Turning it clockwise until it pops up will reset the emergency button.

It is possible to perform an emergency lowering in case of a general malfunction. An allen wrench comes with the lifter for this purpose (situated on the top of the column). Push the allen wrench through the sticker on the top of the column, and turn until the patient is lowered down.

Contact the Molift service partner if the reason for the failure causing an emergency lowering is unknown or if it is a result of failed components or parts.

Lift and transfer

The suspension shall always be positioned across the user as shown left in the illustration below.



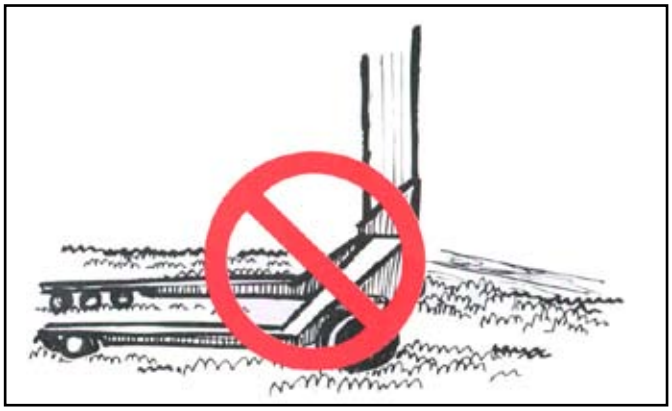
When using slings intended for two point suspension, the suspension shall be used diagonally, i.e. loops from the sling shall be fastened on hooks diagonally opposite.

Try to position the user as low as possible (preferably resting the feet on the chassis) when transferring the lifter with a suspended user. In this way, the centre of gravity will be as low as possible and therefore reducing the risk of instability. The lifter should be manoeuvred with spread legs in outer position to achieve the highest possible stability.

Be careful during movement - the suspended user may swing somewhat during turns, stops and starts. Be particularly careful when manoeuvring close to furniture to prevent the suspended user from colliding with these objects.

The lifter shall not be used to lift or move users on sloping surfaces.

Avoid deep pile carpets, high thresholds, uneven surfaces or other obstacles that may block the castors. The lifter may become unstable if forced over such obstacles increasing the risk of tipping over.



The lifter shall only be used for movement over short distances. It is not a replacement for wheelchair or similar.

Use of spread legs

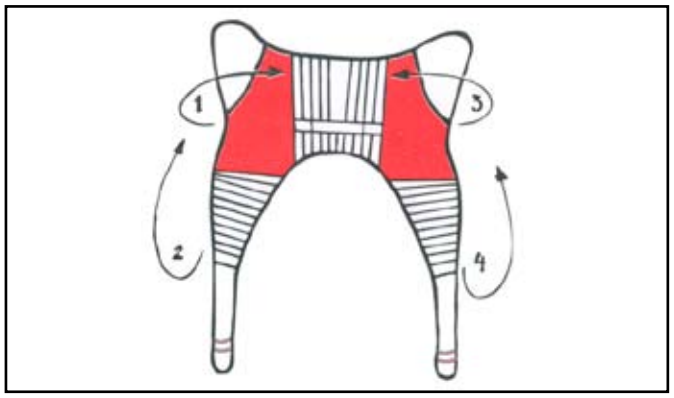
Use wide legs wherever appropriate, for instance to position the lifter around wheelchairs, toilets etc.

Using lifting slings

The Molift Easy lifting slings are comfortable padded slings and, as the name indicates, easy to use. Molift Basic slings have the same design with no padding. They are washable at 80º C and autoclave at 85 ºC for 30 minutes. The plastic insert of the head support on Molift Basic slings should be removed before washing.

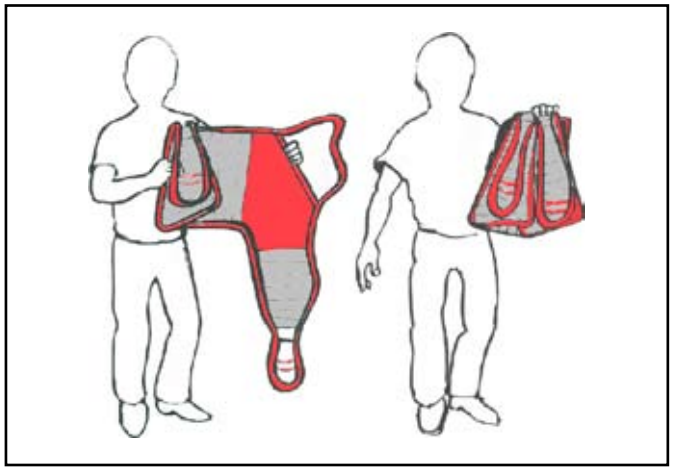
Torn, cut, frayed or broken slings can fail, resulting in serious injury to the user. Use slings in good condition only. Destroy and discard old, unusable slings.

It is recommended to use Molift slings. Slings from other manufacturers may have other specifications leading to unexpected instability and possible injury to personal.

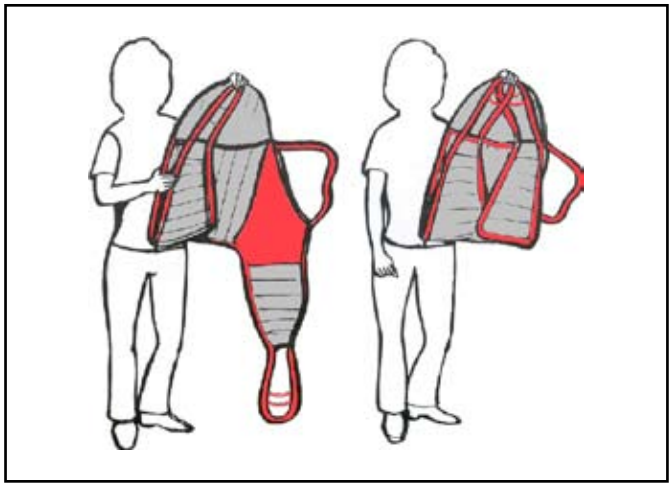


Fold the Molift Easy sling as indicated above before use. The grey side should be facing away from the user when putting the sling in place. The sling should be held by one hand, leaving the other free to move and support the user.

Molift Easy Sling without head support



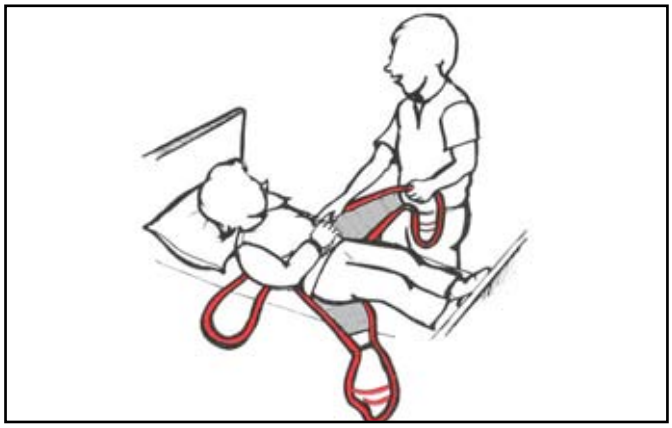
Molift Easy Sling with head support



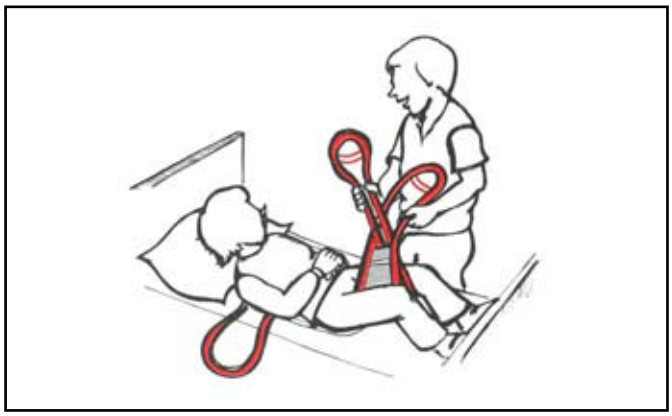
Lift and movement to and from bed

Lift from bed

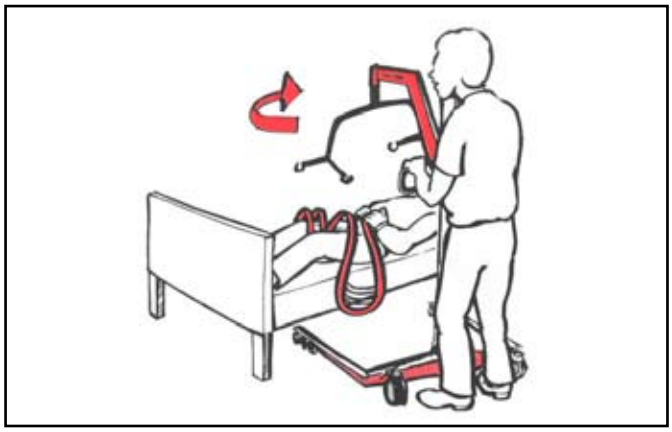
Roll user onto her side. Put the folded sling behind her back. The centre of the sling should be parallel with the users spine. Roll her then onto her back.



Pull the leg loops forward and under the thighs as shown in illustration above.



Cross the loops one through the other.



If the user has a bed which enables raising and lowering, it should be lowered before the lifting starts.

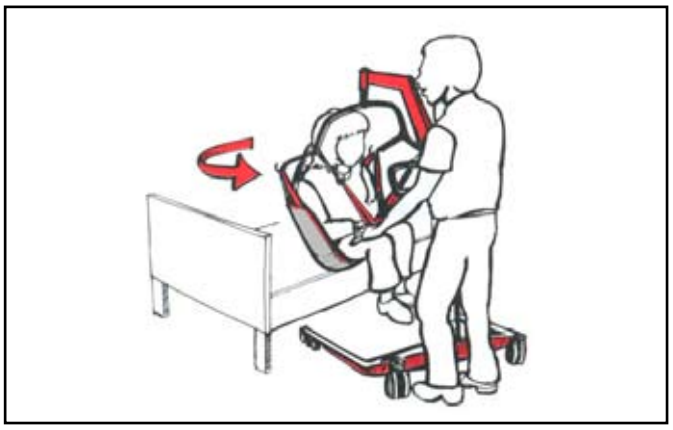
Position the legs under the bed with the suspension over the user. Be careful not to lower the suspension too low touching the user. Make sure that the suspension is centred over the user before you start the lifting. Remember - the castors should not be locked.

When all four loops are hooked onto the suspension, raise the user carefully.

When using a sling with head support, the head support can be tightened to support the head in correct position. Make sure that the sling is fastened in the loops, not the head support tightening straps.

If the user is in a hospital bed, it will help to raise the head of the bed

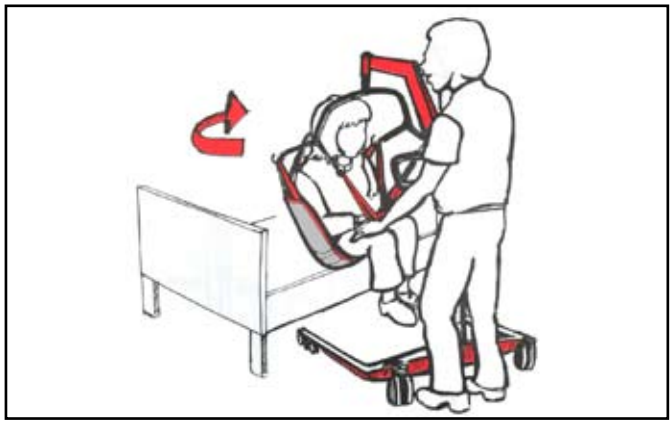
Repositioning of the user may be needed to ensure that a safe and comfortable sitting position is attained as the user is raised. Reposition using the handle on the back of the sling.



Raise the user until the buttocks are just above the mattress. Lift the user's legs and turn her so she faces the lifting column. When clear of bed, and if practical, lower the user so that her feet rest on the chassis. If possible, lower the bed before lifting. Move the lifter away from bed.

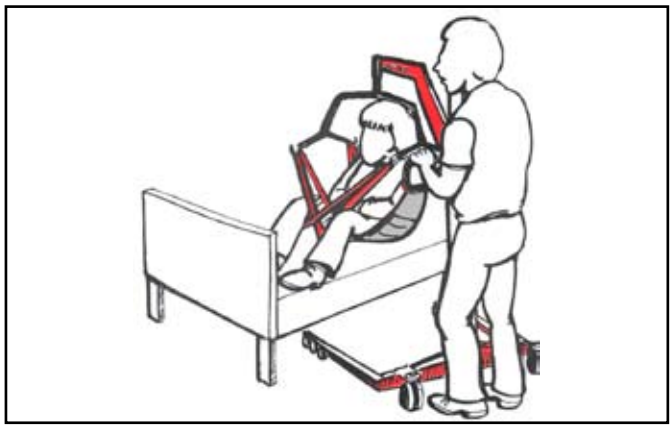
Beware of obstructions under the bed that can cause castors to stop or tip.

Lift to bed



Raise the user until the buttocks are just above the mattress. Position the lifter under the bed.

Beware of obstructions under the bed that can cause castors to stop or tip. Take care not to squeeze the users legs.



Centre the user over the bed and turn her/him so that the feet point to the end of the bed. Lower the user carefully. Remove the loops from the suspension.

Removing the sling

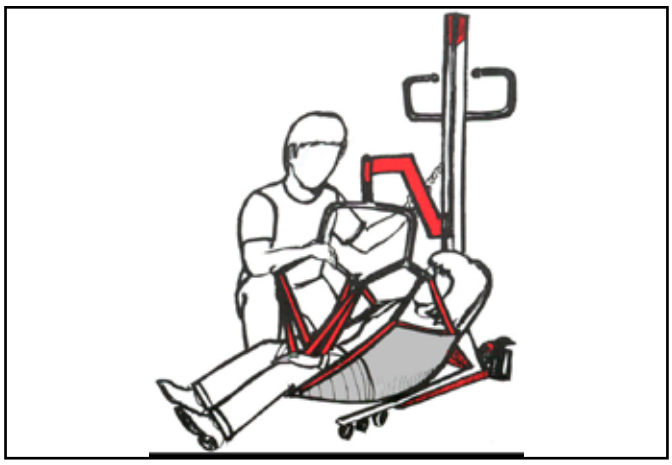
Gently pull the leg section to the side, out from the user's thighs and towards yourself. Pull the shoulder section under the neck of the user and roll her gently onto her side. Pull the sling away and roll her onto her back.

Be careful when rolling the user onto her side. Make sure you have control over the movement to prevent her from rolling completely over and out of the bed.

Lift and transfer to and from floor

Lift and transfer from the floor is almost identical to a lift and transfer from bed - please read this section. There are two ways to lift from the floor.

Alternative lift 1

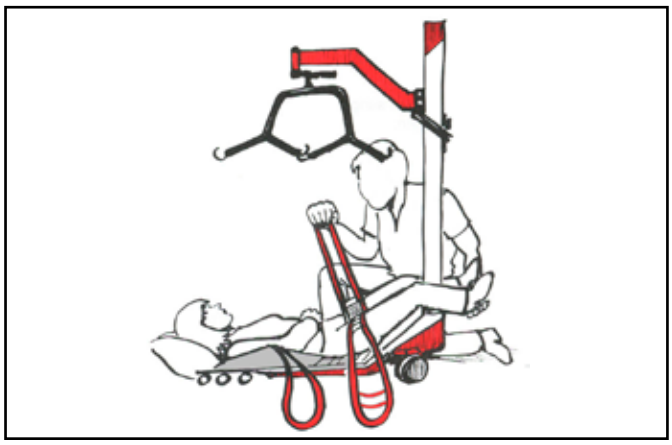


Place the users head on the chassis. Use a pillow if appropriate to protect the head and neck of the user. The suspension shall be centred over the user.

Lower the suspension enough to allow the sling loops to be hooked up.

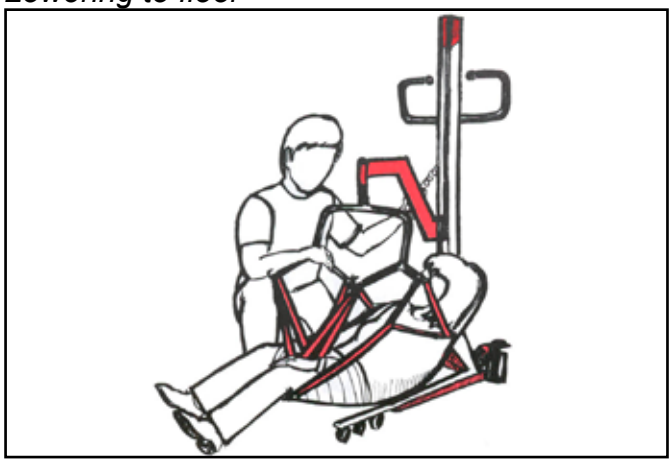
Raise the user from the floor. Position user in the sling by pulling the handle on the back of the sling. Turn the user to face the lifting column, and place the feet on the chassis.

Alternative lift 2



A floor based lift can also be performed by positioning the lifting column between the legs of the user as shown above. Otherwise as alternative 1.

Lowering to floor



Place a pillow on the chassis or on the floor to protect the users head and neck (not necessary if you are using a sling with head support). Otherwise as described above.

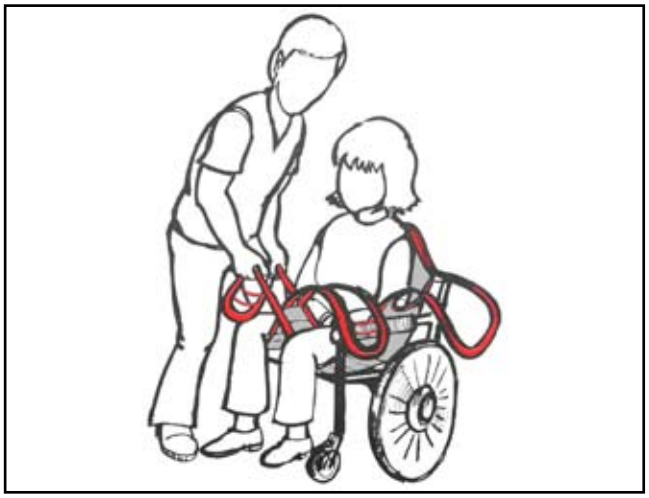
Lift and transfer to and from (wheel)chair

Lift and transfer from (wheel)chair

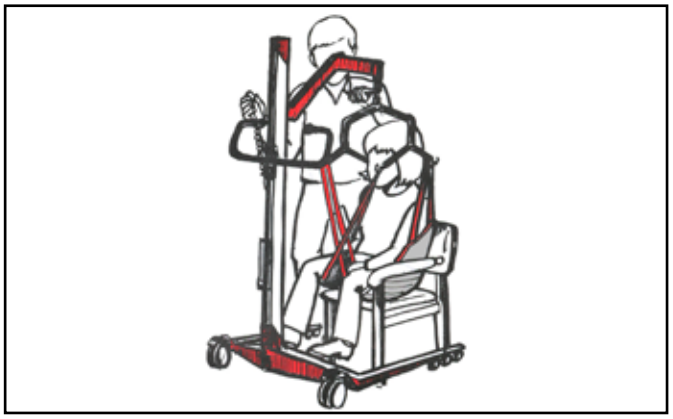
Fold the sling as described in "Using lifting slings". The gray side should be turned away from the user when placing the sling.

If the users physique and ability allows it, the user should be encouraged to take active part in fitting the sling. The user can lean forward, lift her thighs and help placing the leg section.

Lean the user forward gently, but ensure you continue to support her. Place the folded sling behind the user's back and push it down until it touches the **seat of the chair.**



The leg sections of the sling are pulled forward and beneath the user's thighs by the loops. The loops are then crossed, one through the other, as shown.



Move the lifter around the chair, and let the user rest her feet on the chassis.

If the transfer is from a wheelchair, the brakes must be locked to prevent the wheelchair from rolling away.

Lift/raise the user above seat height, and perform the transfer. It is not necessary to lift the person very high.

Lift and transfer to (wheel)chair

Manoeuvre the lifter so that the user is as far back in the (wheel)chair as possible.

If the transfer is from a wheelchair, the brakes must be locked to prevent the wheelchair from rolling away.

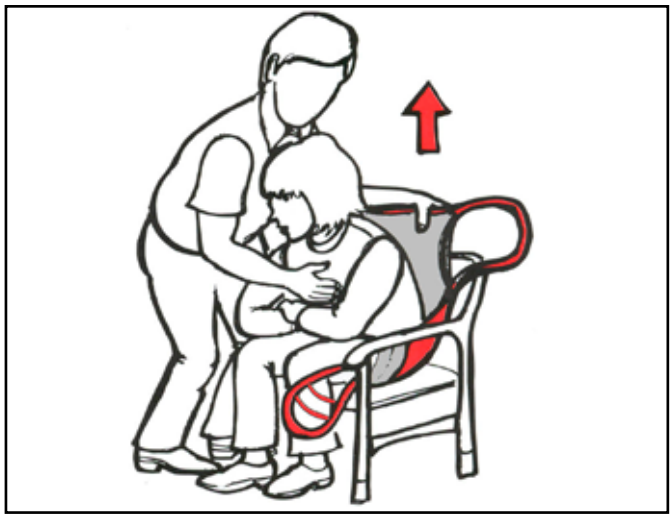
When lowering, you can use the following techniques or a combination of them to position and get the user seated far back in the chair:

- push gently on the knees
- pull the loop on the back of the sling
- tilt the chair slightly backwards

Lower the user into the chair, unhook sling from suspension and remove the lifter.

Removal of sling

Gently pull leg section to the side, out from the user's thighs. Standing by the side of the user, lean her forward - supporting with one hand. Pull sling up from behind her back.



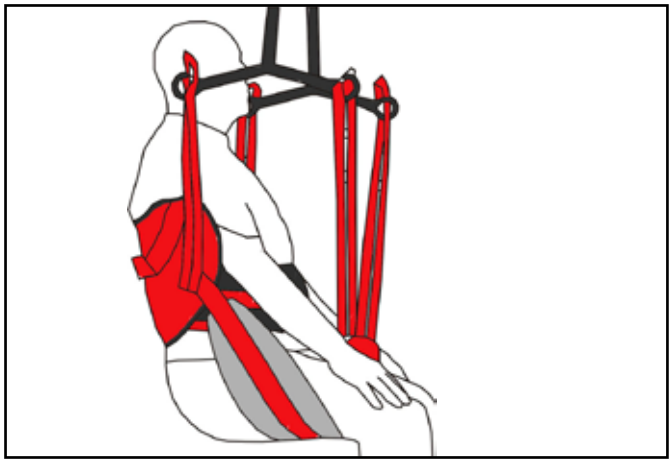
Pulling sharply on sling may cause user to fall forward resulting an injury. Always support the user by keeping one arm around the user's shoulder when fitting or removing the sling (see illustration).

If the users physique and ability allows it, the user should be encouraged to take active part in fitting the sling. The user can lean forward, lift her tights and help placing the leg section.

Bathing

The procedure for lifting to/from the bath is in principle the same as for to/from bed. A Molift Basic Bathing sling is designes for this purpose. This sling dries quickly and may be washed at 80 ºC.

Toileting



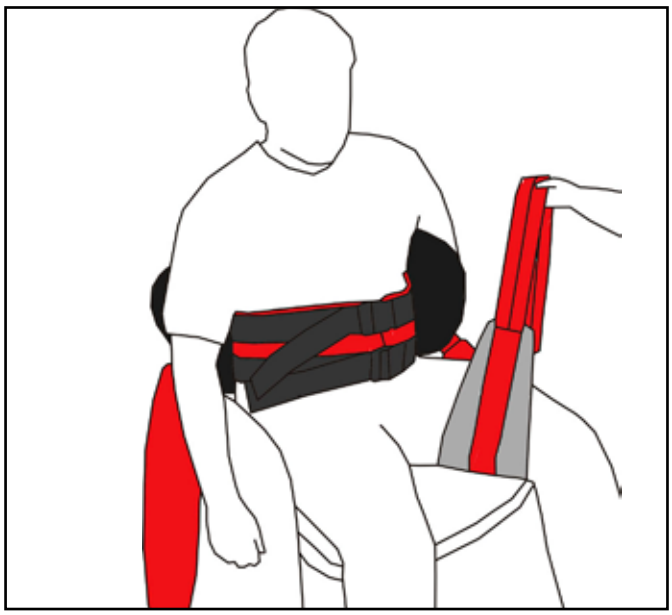
The Molift Easy Toilet Sling is used with the standard 4-point suspensions.

Molift Easy Toilet sling is a toilet sling with a thicker and wider upholstery. It is also available with head-support. The Molift Easy Toilet Comfort sling is easier to fit in narrow environments, and is available with a separate head support

The toilet sling can be washed at 80 ºC, and is fitted as follows:

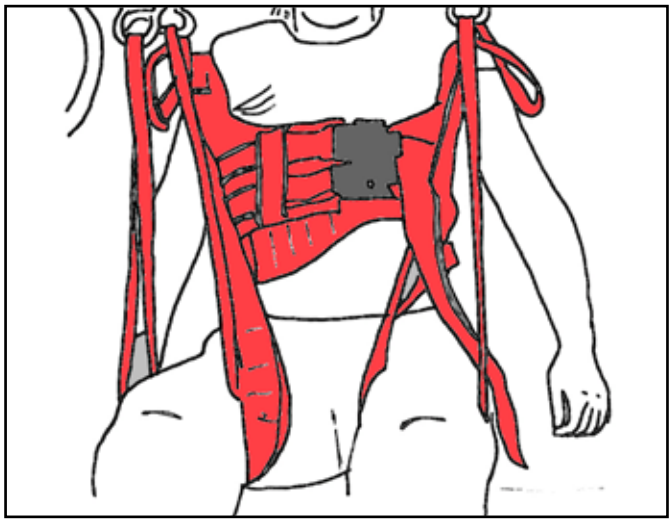
- Insert the sling behind the users back with the grey side away from user.

- Fasten the belt firmly around the user's body.
- Place the leg section under the front part of the thighs and pull the loops up between the thighs.



- On Molift Easy Toilet Comfort, place the leg section over and down between the thighs and pull outwards from the inner part of the thighs.

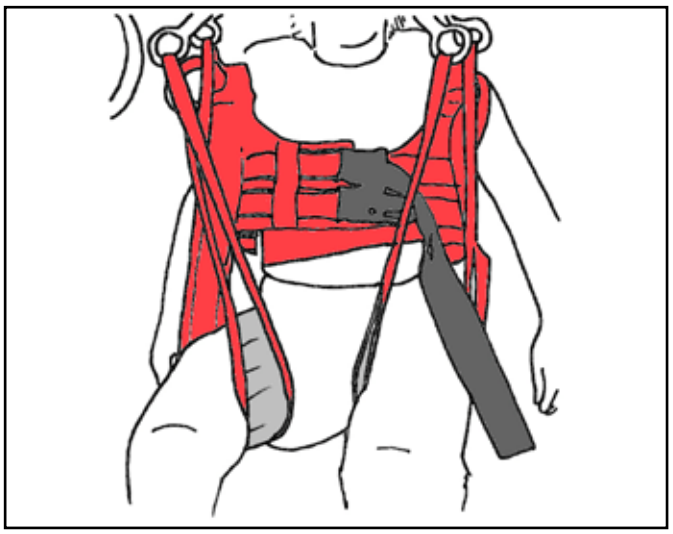
The leg sections of Molift Easy Toilet Comfort Sling are fitted to separate the legs, therefore they should not be crossed as the other Easy slings.



- Hook the four loops on the suspension as for other slings.
- Position the lifter around the toilet and lower the user.
- Pull the leg sections out of the way. The sling can be left on during bathroom use.

Alternative

By pulling the leg sections from the outside and in, you will achieve a wider leg position.



Supplementary equipment

Active Raiser - raising equipment

For people with some strength in arm and legs, the Active Raiser is a good alternative for toilet access or for other quick transfers. The accessories are quick and easy to use as there is no need for ordinary slings. Another advantage is that the user actively participate in the transfer.

Molift have 2 types of raiser equipment; Active Raiser I and Active Raiser II. Both types raises the patient to a standing position. The Raiser I arm raises the patient with a straight movement upwards. With the Raiser II arm the patient is raised up and forwards at the same time.

Mounting the Active Raiser Arm I

The Active Raiser Arm I consists of

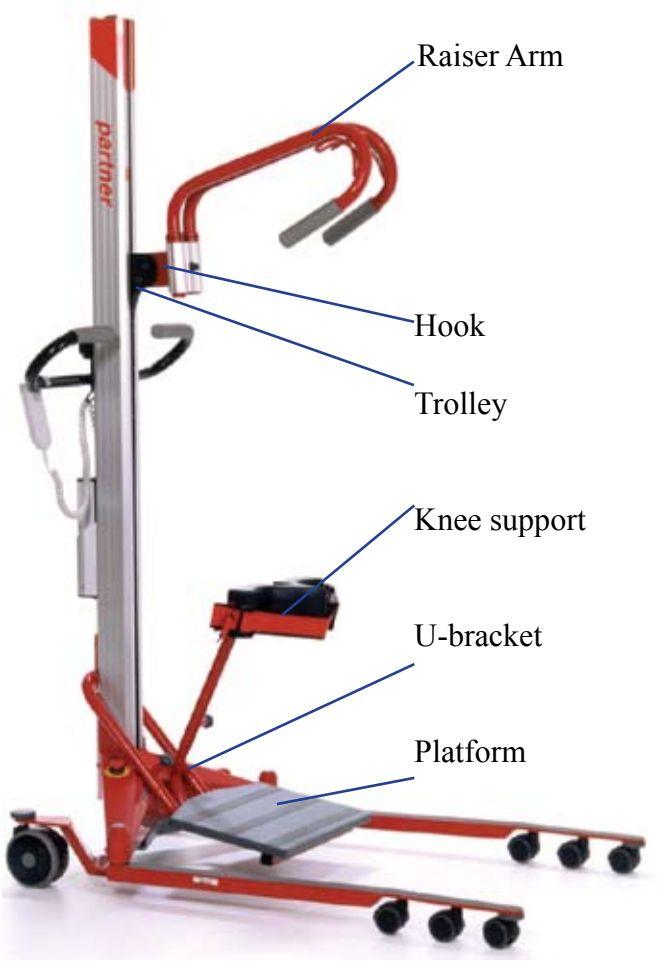
- Active Raiser arm
- Platform with knee support

In addition, Active Raiser is used together with Easy Raiser strap.

- To be able to use the Active Raiser, the lifting arm must be dismounted.
- The Active Raiser arm is mounted on the trolley in the column. The Active Raiser arm is mounted when the hook is placed around the two bolts in the trolley.

Be careful not to put fingers or similar under the lifting arm between arm and trolley. Danger of personal injury.

- Place the battery in the battery holder with the connectors facing down. Run each function of the lifter a couple of times without load to verify proper function.



Mount the platform on the U-bracket, and the Active Raiser Arm is now ready for use.

Always drive the screws on the mounting plate well home. The button on the platform must be locked. You will hear a "click" when the platform is being pushed into the bracket.

Checklist before use

- Verify that the Active Raiser Arm is properly mounted.
- Verify that knee support and platform are properly mounted.

Mounting the Active Raiser Arm II

Active Raiser Arm II consists of:

- Active Raiser arm
- Platform with knee support

In addition, Active Raiser is used together with Easy Raiser strap.

Remember to attach the U-bracket for the platform on the column below the battery holder, before mounting the drive handle and the Active Raiser Arm. Dismount the column and attach the U-bracket. Mount the column and place the U-bracket to lean on the chassis.

Be careful not to put fingers or similar under the Active Raiser Arm between the arm and trolley. Danger of personnel injury.

Attach the hook onto the upper bolt on the trolley. Adjust the height of the trolley with the hand control to be able to attach the Active Raiser Arm on the back of the lifting column. The arm is to be fixed at eye level of user.

The mounting plate holding the Active Raiser Arm to the column has an anti-skid surface to prevent it from sliding on the column. In addition, a securing bolt is to be mounted above the mounting plate in the t-slit of the lifting column

This securing bolt will eliminate the safety risk of the Active Raiser Arm II slipping over the top of the column.

Mount the platform on the U-bracket, and the Active Raiser Arm is now ready for use.

Always drive the screws on the mounting plate well home. The button on the platform must be locked. You will hear a "click" when the platform is being pushed into the bracket.

Checklist before use

- Verify that the Active Raiser Arm is properly mounted.
- Verify that knee support and platform are properly mounted.

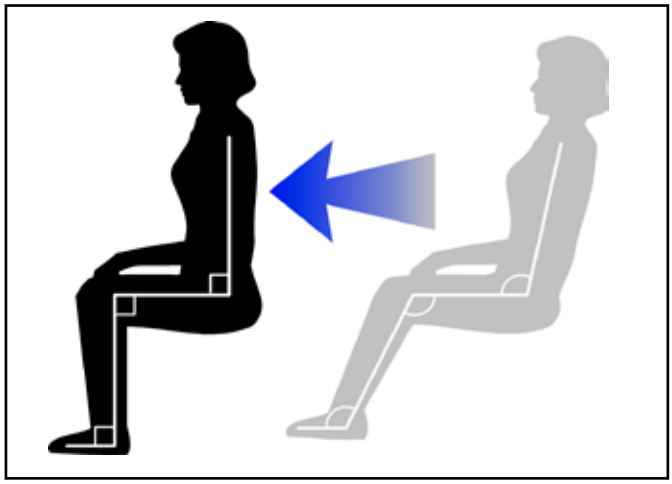
Operation

Adjust the height of the arm individually. The arm is to be fixed at eye level of the user when the user is sitting with a straight back. For toileting/quick transfer, it is not required to bring the user to an upright position. Please note that the general safety rules for transfer always applies.

How to use both types Active Raiser I and II

Place the users feet on the platform of the lifter and continue moving the lifter forward until the knee support is in contact with the users upper shins just below the knees. The knee support are adjustable in height and width.

To perform a comfortable lift for the patient, it is recommended that the patient is sitting in a normal upright position with near 90° in ankles, knees and hips/torso. It is also recommended that the patient is wearing suitable shoes or socks with good friction towards the floor



If the patient is sitting in a wheelchair, it is necessary to put on the wheel chair brakes. It's also recommended to lock the wheels of the Active Raiser when performing the lift.

Patients with an extremely high or displaced centre of gravity (i.e. lameness on one side of the body or high weight on the upper body) may cause the lifter to tip over. Such patients should be lifted in a passive lifter, and not with a semi-active lifter as Active Raiser.

Lock the castors on the lifter. Place the Molift Easy Raiser sling under the arms and around the back of the patient as far down as possible. Connect the belt and tighten firmly. Fasten the sling to the lifting arm by pulling the ropes firmly into the rope locks from the inside and out. When lifting the patient, the ropes will lock even tighter due to the weight of the patient. The patient should grab and hold the handlebars of the lifting arm if possible.

Raise the patient carefully until the buttocks are clear from the seating. Unlock the wheels on the lifter and move the patient to the next location.

Please note that it is not necessary to raise the user completely into a standing position. The raiser accessories are especially designed for quick transfers between, for instance, wheelchair and toilets.

Active Walker - walking aid

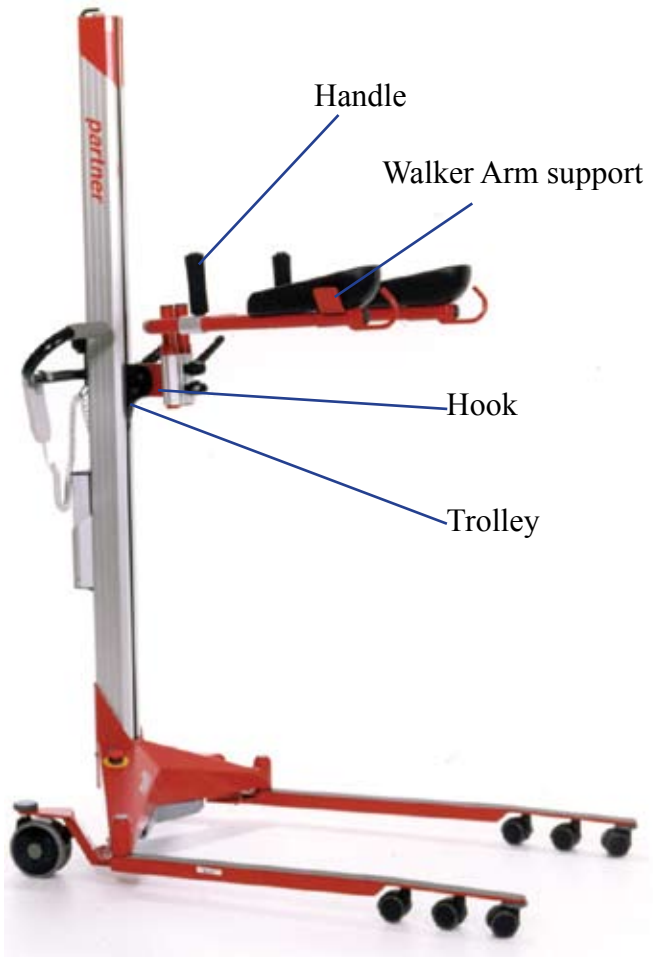
Molift Partner may be used as a walking aid by mounting Active Walker.

Mounting Active Walker

- To be able to use the Active Walker, the lifting arm must be dismounted.
- The Active Walker arm is mounted on the trolley in the column. The Active Walker arm is mounted when the hook is placed around the two bolts in the trolley.

Be careful not to put fingers or similar under the lifting arm between arm and trolley. Danger of personal injury.

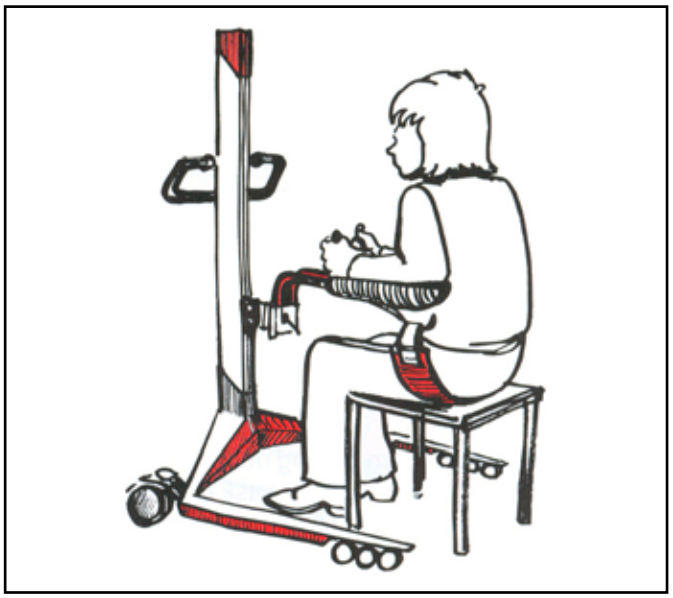
- Place the battery in the battery holder with the connectors facing down. Run each function of the lifter a couple of times without load to verify proper function.



- Verify that the Active Walker arm is properly mounted.

How to use Active Walker

The handles may be adjusted according to the length of the users forearm, and the Walker Arm support can be adjusted in width.



The user is lifted into a standing position using a strap / securing belt and the arm supports.

Make sure that the strap/securing belt are safely attached during use!

A security belt with groin strap is recommended for users requiring extra support.

Active Walker provides the user with a good and comfortable support while training and is appropriate for people with some strength in arms and legs.

Molift Scale - weighing system

With Molift Scale it is possible to weigh the patient. The scale is intended for weights up to 160 kg. Smallest weight possible is 2 kg and e is 100 g.

Mounting

Remove the standard suspension from the lifter and attach the scale system correspondingly. Ensure that the arm is properly attached to the carriage., ref. operator manual for your lifter.

Mounting Molift Scale

- To be able to use the Molift Scale, the lifting arm must be dismounted.
- Molift Scale with lifting arm is mounted on the trolley when the hook is placed around the two bolts in the trolley.

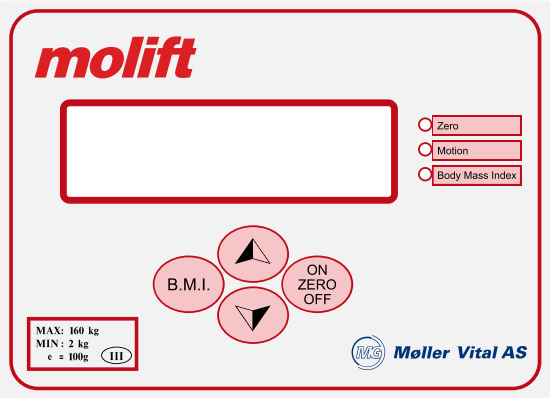
Be careful not to put fingers or similar under the lifting arm between arm and trolley. Danger of personal injury.

- Place the battery in the battery holder with the connectors facing down. Run each function of the lifter a couple of times without load to verify proper function.

Checklist before use

- Verify that Molift Scale with lifting arm is properly attached.

Operator panel



On / Zero / Off

Press the key to turn the scale on. The scale will reset and the indicator ”Zero” will illuminate. The scale is now ready for use.

It is possible to reset the scale with sling, by attaching the sling onto the suspension. Be sure that the sling is hanging freely and press “Zero” once. Wait until the display shows zero, them remove the sling and prepare for a normal lift. If the scale is not activated it will turn off after two minutes.

To turn off, press and hold the key for approx. 3 seconds (until OFF shows in the display).

Body Mass Index (BMI)

The scale can calculate BMI. Please observe that this function only applies for weights above 35 kg.

- Press and hold the BMI-key with the patient suspended in the scale
- The display invites you to enter the persons height in meters. Do so by using the up and down arrows. Then press the BMI key once and the display will show the patients BMI.

BMI	***Description***
< 20	Underweight
20 - 24,9	Healthy weight
25 - 29,9	Overweight
30 - 34,9	Fat
> 35	Grossly obese

Diodes

Zero

Shall be lit before lifting. The display may show 0,0, but the scale is not calibrated to zero unless this diode is lit.

Motion

Will be lit if the scale is in motion.

Body Mass Index

To indicate that the display is showing BMI and not the patients weight.

Battery and power saving

A replaceable 9V battery type PP3 runs the unit. The system will shut down automatically if not used for 2 minutes. The battery can be replaced after removing the black cover on the back of the scale. If all diodes are lit or the scale does not function properly, try to remove and replace the battery.

Accessories

Lifting sling

Molift Easy Paediatric Sling

Size	No head support	With head support
XXS	Art. no 3005050	Art. no 3006050
XS	Art. no 3005000	Art. no 3006000

Easy Toilet Sling and Basic Bathing Sling for kids, see the tables below, size XXS and XS.

Molift Easy Sling

Size	No head support	With head support
XS	Art. no 3025000	Art. no 3026000
S	Art. no 3025100	Art. no 3026100
M	Art. no 3025200	Art. no 3026200
L	Art. no 3025300	Art. no 3026300
XL	Art. no 3025400	Art. no 3026400
XXL	Art. no 3025500	Art. no 3026500

Molift Basic Sling

Size	No head support	With head support
XXS	Art. no 3021050	Art. no 3022050
XS	Art. no 3021000	Art. no 3022000
S	Art. no 3021100	Art. no 3022100
M	Art. no 3021200	Art. no 3022200
L	Art. no 3021300	Art. no 3022300
XL	Art. no 3021400	Art. no 3022400
XXL	Art. no 3021500	Art. no 3022500

Molift Basic Bathing Sling

Size	No head support	With head support
XXS	Art. no 3023050	Art. no 3024050
XS	Art. no 3023000	Art. no 3024000
S	Art. no 3023100	Art. no 3024100
M	Art. no 3023200	Art. no 3024200
L	Art. no 3023300	Art. no 3024300
XL	Art. no 3023400	Art. no 3024400
XXL	Art. no 3023500	Art. no 3024500

Molift Easy Toilet Sling

Size	No head support	With head support
XXS	Art. no 3032050	Art. no 3033050
XS	Art. no 3032000	Art. no 3033000
S	Art. no 3032100	Art. no 3033100
M	Art. no 3032200	Art. no 3033200
L	Art. no 3032300	Art. no 3033300
XL	Art. no 3032400	Art. no 3033400
XXL	Art. no 3032500	Art. no 3033500

Molift Easy Toilet Sling Comfort

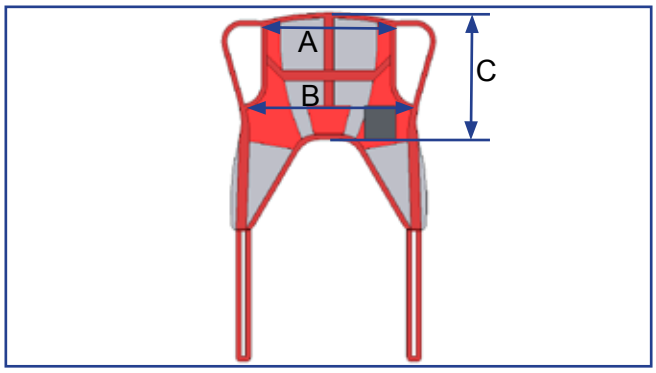
Size	No head support	Separate head support
XXS	Art. no 3016050	Art. no 3016055
XS	Art. no 3016000	Art. no 3016001
S	Art. no 3016100	Art. no 3016111
M	Art. no 3016200	Art. no 3016222
L	Art. no 3016300	Art. no 3016333
XL	Art. no 3016400	Art. no 3016444
XXL	Art. no 3016500	Art. no 3016555

Molift Easy Amputee Sling

Size	No head support	With head support
XXS	Art. no 3027050	Art. no 3028050
XS	Art. no 3027000	Art. no 3028000
S	Art. no 3027100	Art. no 3028100
M	Art. no 3027200	Art. no 3028200
L	Art. no 3027300	Art. no 3028300
XL	Art. no 3027400	Art. no 3028400
XXL	Art. no 3027500	Art. no 3028500

Bag for slings - Art. no 3048000

Sling size guide



Easy and Basic Slings

Size	Color code	Recomm. weight (Kg)	A (cm)	B (cm)	C (cm)
XXS	Pink	12-17	41	55	56
XS	Light blue	17-25	46	65	58
S	Red	25-50	51	75	60
M	Yellow	45-95	56	85	62
L	Green	90-160	66	100	64
XL	Blue	160-240	76	115	66
XXL	White	230-300	86	130	68

Choice of sling size depends on both user weight and shape/size of user.

Maintenance

Daily maintenance

Detergents must be pH-neutral. Do not use solvents or strong liquids - this may damage surfaces on the lifter. For disinfection when needed; use isopropyl alcohol. Avoid abrasive cleaning products.

Clean surfaces with a damp cloth using an appropriate detergent.

Monthly maintenance

- Remove hair and pile from the castors and verify that the castors rotates without abnormal friction
- Verify that the contacts of the hand control and charger is firmly in place
- Clean contact and hand control with spirit or similar to remove grease and dirt
- Verify that the cables for the hand control and charger are intact
- Run the lifter up and down to verify that it runs normally and without any abnormal noise.

Fault finding

If you have access to other similar lifters, it might be an advantage to "switch parts" in order to locate the error.

Symptom	Possible cause/*action*
The lifting column is wobbly.	The locking bolts have loosened or the lifting column is out of position in chassis / *verify position of lifting column and tighten bolts*
The lifter only moves in one direction/ adjustable legs only moves in one direction	Hand control has failed / *test with another hand control and change if defective.*
	The control electronics has failed / *change control electronics / contact local representative for service*
The lifter moves uncontrolled / adjustable legs moves uncontrolled	Short circuit between hand control and lifter / *clean the contact to hand control with spirit to remove grease*
	Hand control has failed / change hand control / *contact local representative for service*
	Defective control electronics / *change control electronics / contact local representative for service*
The lifting arm does not move / adjustable legs does not move	Battery is empty / change to a new battery or charge battery
	The motor connection is not in contact / *clean contact points on column and chassis - position the lifting column correctly and tighten the bolts*
	Emergency stop activated (button is pressed in) / *turn knob counter clockwise to reset*
	The cable/contact to hand control has disconnected / *reconnect contact*
	Hand control has failed / *test with another hand control and change if defective / contact local representative for service*
	Defective control electronics / *change control electronics / contact local representative for service*
	Motor is defective / *change motor / contact local representative for service*

Service / yearly maintenance

If you are not able to solve the fault or problems by yourself using this manual, please contact local authorised service representative. If you do not know whom to contact locally, please contact your dealer or Molift AS to get help.

Yearly service is done according to procedures in the service manual included with the lifter. The owner is responsible to ensure proper logging and written verification performed by authorised service partner. The service manual has dedicated pages for logging and signature, and follows each lifter delivered by Molift AS.

Notes:

WARRANTY

Molift AS hereby declares that this product is awarded up to 5 - five - year extended manufacturer's warranty.

It is very important to our customers and to Molift AS that our products meet all relevant quality and safety requirements according to both customer and authority demands. Molift AS develops and manufactures products with high standards of safety, quality and design, and we are continuously in a process of keeping our products in position among the market leaders.

To make our products quality level more explicit Molift AS have introduced extended warranty time on all of our patient lifters. A 5 - five - year* warranty against defects which might be traced back to manufacturing is offered. The extended warranty period is offered under the condition that the regulations described here are completely fulfilled and that the product has been used according to its intentions. The extended warranty is valid for a period of 5 - five - years starting at the date of purchase limited to 3 months after the production year/week. The extended warranty is offered in addition to the local sale of goods act. It is mandatory that the product undergoes safety control and maintenance performed by an authorised service partner at least every 12 months according to this service manual made by Molift AS.

- Yearly maintenance and safety control must be performed within a maximum interval of 12 months and for the first time maximum 12 months after date of purchase or maximum 15 months after year/week of production.
- Molift AS will cover the cost of spare parts and labour in the warranty period for all necessary repairs caused by product defects that can be traced back to manufacturing. The repair must be performed by an authorised service partner or at Molift AS' own workshop during the warranty period.
- All warranty repairs must be approved by your Molift supplier or by Molift AS prior to the repair.
- The owner of the product is responsible for establishing the service agreement, and the cost for the annual safety control and maintenance.
- The service manual has one page for every 12 months containing checkpoints for maintenance and safety control. The extended warranty is valid only with signature and/or stamp by authorised service partner including service partner's signed label with authorisation no. on product.

** Normal warranty is 12 months. This still applies for slings, hand control, batteries and paint.*

Gjøvik 28.08.2006

Molift AS

Geir Olav Farstad
Managing Director

DECLARATION OF CONFORMITY

CE

Molift AS
Ole Deviksvei 44
0668 OSLO
NORWAY
Telephone: + 47 40 00 10 04

hereby declare that:

Molift PARTNER 3 patient lifter
and that the accessoires used only together with this product

Year: 2006

are in conformity with:

- The Council Directive concerning medical devices (93/42/EØF)
and according to this classified as ***medical equipment class 1***

Molift PARTNER 3 is manufactured in conformity with the following national or international standards that also might implement a harmonised standard:

- ISO10535 Hoists for the transfer of disabled persons - Requirements and test methods
- ISO 14971 Medical equipment - Risik analysis

Notified fody:

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Title: Managing Director
Name: Geir Olav Farstad
Company: Molift AS

28.08.2006
Date

Signature

At times with increasing demand for efficiency in the healthcare sector and growing focus on patients needs, it is easy to neglect the needs of the carer. The need to give better help and caring avoiding heavy lifting situations, avoiding putting your own back at risk, without being completely exhausted after work and still have some surplus energy when the workday is over.

This is the insight that drives us at Molift. The company was started 20 years ago by a man who through his own experience saw the need for lifting and moving patients in an effective and comfortable way - for both patient and carer.

We have since then delivered products that compliments the natural movements of the body, that is both simple and intuitive to use. Products designed to give the patient a better life in addition to providing the carer with real support and optimum work enjoyment.

This is the true meaning of; Molift - designed for life

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